



CHICADE Nuclear Facility: a technical platform for nuclear waste characterization

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CHICADE facility is a Basic Nuclear Installation (INB) located at the CEA Cadarache. This facility is a collaborative technological platform dedicated to the expertise of cemented nuclear waste or various nuclear objects.

Rich of the large range of fields of expertise and the wide variety of tools (non-nuclear laboratory, large halls, fume hood labs, gloves box labs and several hot shielded nuclear cells), CHICADE offers a unique opportunity to combine expert methods for advanced characterisations. Waste packages expertise are realised using non-destructive (neutron or X-ray imaging, out-gassing measurements) or destructive methods (cutting, coring, mechanical strength). These characterisations can be achieved for radioactive waste producers such as CEA laboratories or nuclear industries but also for R&D projects focusing on radioactive waste management. CHICADE is also able to develop and test various kinds of process for radioactive waste treatment (cementation process, hot cell for DSRS conditioning...).

CHICADE facility is a unique equipment permitting complete expertise to be carried out in a single location for a better management of radioactive waste.